

2018

# FREERIDE™ 154/165 850 E-TEC®

NEW

## PACKAGE HIGHLIGHTS

- SHOT starter
- Rotax® 850 E-TEC® engine
- REV® Gen4 platform
- pDrive™ clutch with clickers
- RAS™ 3 front suspension
- Ergo-step side panels
- 16 x 154 / 165 x 2.5 or 3.0 in. PowderMax® Light with FlexEdge™ track
- KYB Pro 36 R front shocks and KYB Pro 40 rear shocks aluminum piggyback with Easy-Adjust compression adjuster (22 clics)
- Brembo racing brake with braided stainless-steel brake line
- Lightweight mountain seat
- RER™ electronic reverse
- Compact digital gauge
- tMotion™ rear suspension with reinforced rails and ice scratchers
- Sway bar quick-disconnect
- Glove box with 4 L / 1 US gal of storage
- Profile running boards with large opening
- Sea-level calibration available on all configurations
- Blank White canvas ready for custom wrapping



FREERIDE™ 165 850 E-TEC® shown

## ROTAX® ENGINE

Engine details	850E-TEC®
Engine details	Liquid-cooled, electronic R.A.V.E.™
Cylinders	2
Displacement	849 cc / 51.9 in. <sup>3</sup>
Bore	82 mm / 3.2 in.
Stroke	80.4 mm / 3.2 in.
Maximum engine speed	7,900 RPM
Carburation	Electronic Direct Injection with additional booster injectors
Recommended fuel type	Premium unleaded
Minimum octane	91
Fuel tank	36 L / 9.5 US gal
Oil tank capacity	3.4 L / 3.6 qt

## POWERTRAIN

Drive clutch type	pDrive™
Driven clutch type	QRS
Engagement	3,800 RPM
Small sprocket number of teeth	19 (154 in.) 21 (165 in.)
Large sprocket number of teeth	49 (154 in.) 51 (165 in.)
Drive sprocket number of teeth	8
Drive sprocket diameter	183 mm / 7.2 in.
Brake system	Brembo racing brake with stainless-steel braided brake line

## DRY WEIGHT

210 kg / 464 lb (154 in.) 213 kg / 470 lb (165 in.)

## FEATURES

Frame	REV® Gen4	Starter	Manual, Electric (Opt.), SHOT (Opt.)	Mirrors	Optional
Skis	Pilot™ DS 3	Reverse	RER™	Windshield	Optional
Seating	Mountain	Heated throttle lever	Standard	Runner	Square 5/16
Handlebar	Aluminum with J-hooks / Grab handle	Heated grips	Standard	Carbide configuration	102 mm / 4 in. at 90°
Riser block height	165 mm / 6.5 in.	Gauge	Compact	Hitch	Optional

## COLOR

White

## DIMENSIONS

Vehicle overall length	3,422 mm / 134.7 in. (154 in.) 3,555 mm / 140 in. (165 in.)
Vehicle overall width	1,080 to 1,110 mm / 42.5 to 43.7 in.
Vehicle overall height	1,359 mm / 53.5 in.
Ski stance	910 or 950 mm / 35.8 or 37.4 in.
Ski overall length	1,040 mm / 41 in.
Track nominal width	406 mm / 16 in.
Track nominal length	3,923 mm / 154 in. 4,178 mm / 165 in.
Track profile height	63.5 mm / 2.5 in. PowderMax® Light with FlexEdge™
Optional track	76.2 mm / 3.0 in. PowderMax® Light with FlexEdge™

## SUSPENSION

Front suspension	RAS™ 3
Front shock	KYB® Pro 36 R Easy-Adjust
Front suspension max. travel	215 mm / 8.5 in.
Rear suspension	tMotion™
Center shock	KYB® Pro 40 Easy-Adjust
Rear shock	KYB® Pro 40 Easy-Adjust
Rear suspension max. travel	239 mm / 9.4 in.



FREERIDE™ 154 850 E-TEC® shown



FREERIDE™ 165 850 E-TEC® shown

## FEATURE HIGHLIGHTS



### SHOT starter

Push-button starting with almost no added weight. Uses energy stored in the lightweight ultracapacitor to turn the magneto and with E-TEC® technology, starts the engine.



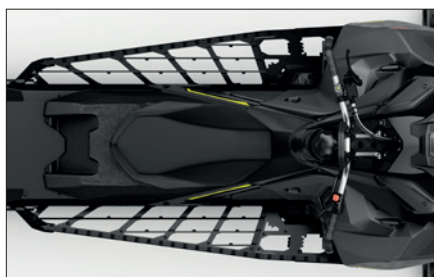
### Rotax® 850 E-TEC® engine

Next generation of the most advanced direct-injection two-stroke engine technology. Designed for reliability and durability with proven 4-stroke and diesel technologies.



### KYB® Pro 36 R Easy-Adjust front shocks

Extreme capability, extreme durability shocks with new compression and rebound calibration ranges for optimized control the toughest conditions. Easy Adjust knobs for compression and rebound adjustments.



### Profile running boards

Extruded grid-style board allowing snow to pass easily through, preventing washout and trenching, plus clears footrests for grip. Flatter foot position for comfort and control.



### tMotion™ rear suspension

A swiveling rear arm and split front arm allow the skid to flex laterally for more predictable carving. More rising-rate motion ratio adds capacity and comfort.

## GAUGE FEATURES

Speedometer	Standard
Tachometer	Standard
Fuel	Standard
Engine temperature	Standard